



BOX PATENT

Attorney Docket No. 24512-X

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

REUSER et al.

Examiner: T. Ton

Serial No.: 09/886,477

Art Unit: 1632

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For: **METHODS OF PURIFYING HUMAN ACID ALPHA-GLUCOSIDASE**

Appendix B

Please amend the following claims as indicated in the following clean copy of the claims.

2. (Once Amended) The method of claim 1, wherein the column
B1 in steps (a) and (b) is an anion exchange column.

3. (Twice Amended) The method of claim 1, wherein the anion
B2 exchange column is Q-Sepharose.

5. (Twice Amended) The method of claim 1, wherein the anion
B3 exchange column is copper chelating Sepharose.

6. (Once Amended) The method of claim 1, wherein the
B4 affinity column is lentil Sepharose.

7. (Twice Amended) The method of claim 1, wherein the
B5 hydrophobic interaction column is phenyl Sepharose.

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B5 8. (Twice Amended) The method of claim 1, wherein the hydrophobic interaction column is Source Phenyl 15.

B6 10. (Twice Amended) The method of claim 1, further comprising repeating steps (a) and (b) and/or (c) until the a-glucosidase has been purified to 95%, preferably 99%, more preferably 99.9% w/w pure. ranges

11. (Twice Amended) The method of claim 1, wherein the sample is milk produced by a transgenic mammal expressing the a-glucosidase in its milk.

B7 19. (Once Amended) The method of claim 1 leading to at least 95%, preferably at least 99%, more preferably at least 99.9% w/w pure human a-glucosidase. range
